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PPLICATION NO.	FI	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/645,684	5,684 08/21/2003		Michael L. Oliver	DP-310111	8289
22851	7590	12/29/2005		EXAMINER	
DELPHI TE	CHNOL	OGIES, INC.	TO, TOAN C		
M/C 480-410	-202				
PO BOX 5052				ART UNIT	PAPER NUMBER
TROY, MI	48007			3616	

DATE MAILED: 12/29/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
	10/645,684	OLIVER ET AL.					
Office Action Summary	Examiner	Art Unit					
	Toan C. To	3616					
The MAILING DATE of this communication app							
Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period we Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	6(a). In no event, however, may a reply be tim within the statutory minimum of thirty (30) days ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	ely filed s will be considered timely. the mailing date of this communication. O (35 U.S.C. § 133).					
Status							
1) Responsive to communication(s) filed on 07 Oc	ctober 2005.	•					
	action is non-final.						
3) Since this application is in condition for allowan	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	3 O.G. 213.					
Disposition of Claims							
4)⊠ Claim(s) <u>1,3-7 and 9-26</u> is/are pending in the application.							
4a) Of the above claim(s) is/are withdrawn from consideration.							
5)⊠ Claim(s) <u>1,3-7,9-17 and 26</u> is/are allowed.							
6)⊠ Claim(s) <u>18-25</u> is/are rejected.							
7) Claim(s) is/are objected to.							
8) Claim(s) are subject to restriction and/or	8) Claim(s) are subject to restriction and/or election requirement.						
Application Papers							
9) The specification is objected to by the Examiner.							
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).							
a) All b) Some * c) None of:							
1. Certified copies of the priority documents have been received.							
2. Certified copies of the priority documents have been received in Application No							
3. Copies of the certified copies of the priority documents have been received in this National Stage							
application from the International Bureau (PCT Rule 17.2(a)).							
* See the attached detailed Office action for a list of the certified copies not received.							
Attachment(s)							
1) Notice of References Cited (PTO-892)	4) Interview Summary						
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) 	Paper No(s)/Mail Da 5) Notice of Informal Pa						
Paper No(s)/Mail Date	6) Other:	() · · · · · · · · · · · · · · · · · ·					

DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 18-25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gross et al (U.S. 6,598,932) in view of Catanzarite et al (U.S. 6,070,681).

Gross et al discloses a controlled suspension system for use between a truck cab and an associated vehicle frame (5) comprising: a strut (3v, 3h) adapted to be attached at one end to the cab (1) and at an opposite end to the frame (5); the strut including a bearing sleeve (23) and a three-point connection (the mounting flange of the combine air spring and shock absorber as shown in figure 4) adapted to interconnect the cab and the frame such that the strut resists relative lateral movement between the cab and the frame; whereby the distance between the cab (1) and the frame (5) is maintained within desired limits by selective pressurization of the strut (3v);.

As to claims 19, 21-23, and 25 Gross et al discloses a controlled suspension system; wherein the frame includes a pair of longitudinal frame elements (best shown in figure 2) and the strut (3v, 3h) is adapted to be positioned adjacent to an outboard side of the frame elements, thereby providing clearance beneath said cab and between said frame elements; Gross et al further discloses a second strut being adapted to be positioned adjacent the other of the frame element, thereby providing clearance

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beneath the cab and between the frame element, and the second strut is positioned adjacent outboard side of the frame element (see figure 2); and the second strut includes an air sleeve capable of being selectively pressurized.

Gross et al fails to disclose the invention, wherein the strut module including a height sensor for measuring a distance between the truck cab and the associated frame and generating a signal indicating thereof; and a controller for receiving the signal from the height sensor and selectively pressurizing the air sleeve; and the controller is mounted on the strut.

Catanzarite et al teaches the cab suspension including a height sensor (13) for measuring a distance between the truck cab (22) and the associated frame (24) and generating a signal indicating thereof; and a controller (36) for receiving the signal from the height sensor (30, 30a, 30a') and selectively pressurizing the air sleeve (26).

It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the cab suspension of Gross et al by attaching the height sensor and the controller as taught by Catanzarite et al on the mounting flange of the strut module in order to control dynamic vibration (ride comfort), or simply provide a controllable level of damping between the cab and frame.

With respect to claims 20 and 24, It would have been obvious to one having ordinary skill in the art at the time the invention was made to alternatively modify the cab suspension system of Gross to positioned the strut at an inboard end of the frame, since it has been held that rearranging parts of an invention involves only routine skill in the art. In re Japikse, 86 USPQ 70.

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Response to Arguments

3. Applicant's arguments with respect to claim 18 have been considered but are moot in view of the new ground(s) of rejection.

4. In response to applicant's argument that neither Gross et al nor Catanzarite et al discloses a suspension system in which a strut is adapted to resist lateral movement between the cab and the vehicle frame, the examiner respectfully disagrees because the Gross et al disclose every element of the strut as claimed in claim 18, and recitation "to resist lateral movement between the cab and the vehicle frame" is considered as an intended use recitation, and it is noted that a recitation of the intended use of the claimed invention must result in a structural difference between the claimed invention and the prior art in order to patentably distinguish the claimed invention from the prior art. If the prior art structure is capable of performing the intended use, then it meets the claim. In this case, the strut of Gross includes an upper fastenings 13 and 11 for mounting the strut to the cab, and a lower fastening 49 for mounting the strut to the frame and the strut is suspended in vertical direction but not in lateral direction, therefore, these fastenings 11, 13, and 49 would resist lateral movement between the cab and the frame.

Allowable Subject Matter

5. Claim 1, 3-7, 9-17 and 26 are allowed.

Conclusion

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6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Toan C. To whose telephone number is (571) 272-6677. The examiner can normally be reached on Mon-Fri (8:00-5:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paul Dickson can be reached on (571) 272-6669. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Cepter (EBC) at 866-217-9197 (toll-free).

TTo

December 22, 2005

PAUL N. DICKSON

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SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 3600